

Real Estate Assessment Center PHA- Finance

FINANCIAL INDICATOR METHODOLOGY & ANALYSIS GUIDE

(For FYE 9/30/06 and after)

September 30, 2006



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SUMMARY OF CHANGES

Changes to the Financial Indicator Methodology and Analysis Guide are a result of revisions to the Expense Management/Utility Consumption scoring thresholds contained in the Public Housing Assessment System; Financial Condition Scoring Process; Notice dated December 21, 2000. The revised scoring threshold changes are applicable for PHAs with fiscal years ending September 30, 2006 and later and can be found on page 40534 of the Federal Register (Docket No. FR-5066-N-02) dated July 17, 2006.

In addition as a result of final implementation of Government Accounting Standards Board (GASB) Statement number 34, the FDS line items shown below are <u>not</u> applicable to FDS submissions for PHA fiscal years ending on or after June 30, 2004. These FDS line items were used for Pre-GASB 34 FDS submissions. Accordingly, references to Pre-GASB 34 line items contained in an indicator formula have been removed from this Guide.

Pre-GASB 34 FDS Line Items:

Line 146 (Amounts to be provided)

Line 501 (Investment in general fixed assets)

Line 502 (Project Notes)

Line 503 (Long-term debt – HUD guaranteed)

Line 504 (Net HUD PHA contributions)

Line 505 (Other HUD contributions)

Line 507 (Other Contributions)

Line 508 (Total contributed capital)

Line 509 (Fund Balance Reserved for Encumbrances/Designated Fund Balance)

Line 510 (Fund Balance Reserved for capital activities)

Line 511 (Total reserved fund balance)

Line 512 (Undesignated fund balance/retained earnings)

Line 976 (Capital outlays-governmental funds)

Line 977 (Debt principal payment –governmental funds)

Line 1005 (Proceeds from notes, loans and bonds)

Line 1006 (Proceeds from property sales)

Line 1101 (Capital outlays – enterprise fund)

Line 1102 (Debt principal payments – enterprise funds)

Line 1105 (Changes in compensated absences liability (in the GLTDAG))

Line 1106 (Changes in contingent liability balance (in the GTLDAG))

Line 1107 (Changes in unrecognized pension transition liability (in the GLTDAG))

Line 1108 (Changes in special terms/severance benefits liability (in the GLTDAG))

Line 1109 (Changes in allowance for doubtful accounts – dwelling rents)

Line 1110 (Changes in allowance for doubtful accounts – other)

Line 1112 (Depreciation "add-back")



I. EFFECTIVE PERIOD

This document describes the assessment and scoring methodology based on the Public Housing Assessment System; Financial Condition Scoring Process; Notice dated December 21, 2000 and later revised on July 17, 2006, Federal Register Docket No. FR-5066-N-02 for financial assessment of Public Housing Agencies (PHAs) evaluated by the U.S. Department of Housing and Urban Development (HUD) Real Estate Assessment Center's Public Housing Assessment System (PHAS, 24 CFR Part 902).

II. EXECUTIVE SUMMARY

This Financial Indicators Methodology & Analysis Guide (the Guide) was prepared by the HUD Real Estate Assessment Center (REAC). This guide is intended to assist its users in understanding and calculating the financial indicator components used to assess the financial condition of Public Housing Authorities (PHAs) under the Public Housing Assessment System (PHAS) and to provide guidance on calculating the respective score associated with the financial indicator component.

The financial condition of each PHA will be assessed annually by REAC to determine whether the PHA:

- Has sufficient financial resources, and
- Is managing those resources effectively to support the provision of housing that is decent, safe, sanitary, and in good repair.

REAC's assessment and analysis will be based upon the financial data schedule (FDS) submitted electronically by the PHA using the Financial Assessment Subsystem – Public Housing (FASS-PH). This financial data is required to be reported in accordance with the generally accepted accounting principles (GAAP), as mandated by the Uniform Financial Reporting Standards Rule (UFRS, 24 CFR Part 5). The established financial indicator components will be automatically calculated and scored using FASS-PH, as described in the PHAS Rule.

The following financial indicator components (as published in the Federal Register [FR-4313-P-01]) and [FR-4509-N-17]), have been established to assess a PHA's financial condition:

- 1. Current Ratio: a measure of liquidity; measures the PHA's ability to cover its current obligations
- 2. <u>Months Expendable Fund Balance</u>: a measure of viability; measures the PHA's ability to operate using its net available unrestricted resources without relying on additional funding
- 3. <u>Tenant Receivable Outstanding</u>: a measure of rent collectibility; measures the PHA's ability to collect its tenant receivables in a timely fashion
- **4.** <u>Occupancy Loss:</u> a measure of the PHA's ability to maximize revenue; measures the extent to which the PHA is maximizing its rental revenue
- 5. <u>Expense Management/Utility Consumption</u>: a measure of the operating cost per unit; measures the PHA's ability to maintain its expense ratios at a reasonable level relative to its peers (adjusted for size and region)
- **6.** <u>Net Income or Loss</u>: a measure of the net income (loss) impact against viability; measures how the year's operations have affected the PHA's viability



The table below shows the six components that constitute the financial indictor and their assigned points:

Scoring Components	Total Assigned Points
Current Ratio	9.0
Months Expendable Fund Balance	9.0
Tenant Receivable Outstanding	4.5
Occupancy Loss	4.5
Expense Management/Utility Consumption	1.5
Net Income or Loss	1.5
Total Maximum Possible Points	30.0

This Guide:

- Provides background on the historical assessment of PHAs;
- Summarizes the current assessment system;
- Provides detailed description of the calculation of the financial indicator components; and
- Provides detailed description and explanation of FASS scoring methodology.

III. BACKGROUND

HUD has historically evaluated the management of PHAs using indicators and scoring. The Public Housing Management Assessment Program (PHMAP) was the historical analytical tool and consisted of eight (8) indicators. Each indicator had components that were calculated separately, but analyzed as a group. The indicators/components were:

- Vacancy Rate and Unit Turnaround Time
 - Vacancy percentage and progress in reducing vacancies over the last three years
 - Unit turnaround time
- Modernization
 - Unexpended funds over three years old
 - Timeliness of fund obligation
 - Contract administration
 - Ouality of the physical work
 - Budget controls
- Rents Uncollected
- Work Orders
 - Emergency work orders
 - Non-emergency work orders and progress during the last three years
- Annual Inspection of Units and Systems
 - Annual inspection of units
 - Annual inspection of systems



- Financial Management
 - Cash reserves
 - Energy consumption
- Resident Services and Community Building
 - Economic lift (HUD funded programs)
 - Resident organization
 - Resident involvement
 - Resident programs management (HUD funded programs)
- Security
 - Tracking and reporting crime
 - Screening of applicants
 - Lease enforcement
 - Grant program goals (HUD funded programs)

The points by indicator were calculated after calculating each component's score. The points were converted into a percentage through a series of calculations. The PHA was then rated based on the percentage. High performers were those PHAs receiving total PHMAP scores of 90 percent or better, standard performers were those PHAs with total PHMAP scores equal to or greater than 60 and less than 90 percent, and troubled performers were those PHAs with total PHMAP scores of less than 60 percent¹.

HUD, specifically REAC, developed and published a new methodology to assess the overall condition of each PHA. This methodology is the Public Housing Assessment System (PHAS) and is comprised of four indicators – physical, financial, management and resident service and satisfaction. For the financial condition assessment specifically, REAC requires the PHAs to electronically report financial data, prepared in accordance with GAAP, using a predetermined reporting format - the Financial Data Schedule (FDS). This data is submitted by the PHA by accessing the FASS-PH system and entering applicable data into the FDS format. REAC's objective is to access the data in order to analyze the operating results and financial condition of each PHA, using a consistent, objective methodology. This methodology was tested and verified as useful and applicable by REAC by:

- Meeting with industry leaders and discussing the composition and calculation of each indicator component;
- Meeting with fee accountants and auditors in the practice of consulting and auditing for public housing programs;
- Modeling financial data for PHAs, using both GAAP and non-GAAP data;
- Developing an assessment and scoring prototype for calculating advisory scores;
- Developing and testing scoring models; and
- Utilizing the financial data schedule and FASS system for scoring and assessment under PHAS.

The results supported that the financial indicator components designed will provide the financial information necessary for assessing the financial condition of each PHA.

¹ Source: PHMAP Training Coursebook, <u>Adjustments and Scoring</u>, 1997 U.S. Housing and Urban Development



IV. CURRENT PUBLIC HOUSING ASSESSMENT SYSTEM

As mentioned at the end of the previous section, REAC developed an assessment system to evaluate the overall condition of each PHA in order to obtain results that are objective, uniform and verifiable. The methodology uses four evaluation tools referred to as PHAS indicators. These indicators are published in 24 CFR Part 901 and 902, Public Housing Assessment System (PHAS); Final Rule. The four indicators are:

- 1. Physical condition
- 2. Financial condition
- 3. Management operations
- 4. Resident service and satisfaction

Each indicator is separately evaluated and scored with physical condition, financial condition, and management operations each worth a maximum of 30 points respectively, and resident service and satisfaction worth a maximum of 10 points - for an overall available score of 100 points. Upon completion of the individual, independent analysis, a score is calculated for each indicator. The scores are then accumulated and the PHA is identified, based on their overall score, as a:

- High Performer
- Standard Performer
- Troubled Performer

To obtain a *High Performer* status, a PHA must score at least 60 percent of the points available in each of the four indicators and achieve an overall PHAS score of 90 percent or greater. High performers will be afforded incentives that include relief from specific HUD requirements, public recognition and bonus points in funding competitions.

A PHA that achieves a total PHAS score of less than 90 percent but not less than 60 percent and does not achieve less than 60 percent of the total points available under any of the PHAS Indicators 1, 2, or 3 shall be designated as a *Standard Performer*. All standard performers must correct reported deficiencies. All standard performers that receive a score of less than 70 percent but greater than 60 percent shall be subject to additional oversight. This oversight includes the submission of an Improvement Plan to eliminate deficiencies in the PHA's performance within 30 days after the issuance of the PHAS score. The PHA must correct the deficiencies within 90 days or within the period provided by HUD in the Approved Improvement Plan.

A PHA can be designated as a *Troubled Performer* overall or in one area. A PHA that achieves a total PHAS score of less than 60 percent or achieves a score of less than 60 percent of the total points available under more than one of the PHAS Indicators 1, 2, or 3 shall be designated as *Troubled Overall* and shall be referred to the appropriate field office for follow-up. PHAs designated as Troubled Performers will be required to submit a Recovery Plan and a Memorandum of Agreement (MOA). The MOA will be a binding contractual agreement between HUD and the PHA and include annual and quarterly performance targets, strategies to achieve performance targets, incentives for meeting such targets and the consequences of failing to meet the targets. The maximum recovery period, unless extended by the field office, is the first full fiscal year following execution of the MOA.

A PHA that achieves less than 60 percent of the total points available under only one of the PHAS Indicators 1, 2, or 3 shall be considered *Troubled in One Area* and will be considered a substandard

physical, substandard financial, or substandard management performer. The PHA will be referred to the field office, as described above.

Troubled PHAs that fail to show significant improvement the following year will automatically be referred to the HUD Enforcement Center, which shall initiate proceedings for judicial appointment of a receiver and other sanctions as may be appropriate.

In exceptional circumstances, HUD may withhold designation even though a PHA has satisfied all of the PHAS Indicators for high performer or standard performer designation. HUD may conduct any review, as it deems necessary and may deny or rescind incentives, high performer designation, or standard performer designation in special cases. Some examples are in the case of a PHA that:

- Is operating under a special agreement with HUD;
- Is involved with litigation that bears directly upon its physical, financial, or management performance;
- Is operating under a court order;
- Demonstrates substantial evidence of fraud or misconduct;
- Demonstrates substantial noncompliance in one or more areas of a PHA's required compliance with applicable laws and regulations.

V. ADVISORY VS. ENFORCEABLE SCORES

Currently, the financial indicator components are calculated and analyzed on an entity-wide basis to include the total financial position of each PHA. During the first year submissions, PHAs with fiscal years ending September 30, 1999, December 31, 1999, March 31, 2000, and June 30, 2000 received two advisory scores, one for their public housing operating subsidies program (low-rent) and one for their entity-wide operations. PHAs with fiscal years ending September 30, 2000, December 31, 2000, March 31, 2001, and June 2001 received one advisory score for their entity-wide operations. PHAs with fiscal years ending on and after September 30, 2001, scores are enforceable and PHAs will receive FASS scores that are based on the PHA's entity-wide operations only.

The following chart summarizes the financial scoring process:

Financial Condition Scores Advisory vs. Enforceable

Fiscal Year Ending	Low-Rent	Entity-Wide
9-30-99	Advisory	Advisory
12-31-99	Advisory	Advisory
3-31-00	Advisory	Advisory
6-30-00	Advisory	Advisory
9-30-00	N/A	Advisory
12-31-00	N/A	Advisory
3-31-01	N/A	Advisory
6-30-01	N/A	Advisory
9-30-01 and beyond	N/A	Enforceable



VI. SCORING METHODOLOGY

PHAs are evaluated and assigned scores based on their financial performance on an entity-wide basis relative to their peers. Entity-wide assessments are basically defined as assessing a PHA based on its overall consolidated financial operations. Consolidated operations include all programs and business activities of the PHA. The financial condition of each PHA is evaluated to determine whether the PHA has sufficient financial resources and is managing those resources effectively to support the provision of decent, safe, and sanitary housing.

There are six components currently used to assess the financial condition of PHAs. The six components are <u>Current Ratio</u>, <u>Months Expendable Fund Balance</u>, <u>Tenant Receivable Outstanding</u>, <u>Occupancy Loss</u>, <u>Expense Management/Utility Consumption</u>, and <u>Net Income</u>. After the financial indicator score is calculated, an audit adjustment may be applied to the overall FASS score to adjust the score for audit-related results that directly affect the financial assessment of the PHA. (See Public Housing Assessment System Financial Condition Scoring Process Notice published on the HUD website for detail.)

In this section the following information is provided:

- The area of measurement for each component;
- A general description of the accounts used to construct each component;
- A detailed Financial Data Schedule (FDS) line item computation for each component;
- The calculation methodology for translating the component values into scores; and
- A quick reference of the FDS line item descriptions under each component.

1) Current Ratio

Area of Measurement: The current ratio is a liquidity measure of the PHA's ability to cover its current obligations. It is measured by using the adjusted current ratio that is primarily designed to show available, unrestricted current assets divided by the current liabilities. It is designed to indicate if a PHA could meet all current obligations if they became immediately due and payable. A PHA should generally have available current resources equal to or greater than their current obligations in order to be considered financially liquid. The maximum point value for this component is 9.0 points. A PHA with a Current Ratio value of less than one will be considered financially unacceptable and will receive zero points for this component.

If the value for the Current Ratio is equal to, or greater than one, the PHA is evaluated and assigned a score up to a maximum of 9 points based on its financial performance relative to its peers. PHAs with current ratio values outside the upper threshold boundary will be considered to have too high liquidity or excess reserves and will receive incrementally fewer points up to a maximum deduction of up to 1.5 points. This reduction in points was established because HUD believes that PHAs with too high reserves and liquidity may be better utilizing their resources to improve the quality of housing to its residents.

Calculation: The calculation methodology and the detail FDS line items included in the calculation are as follows:

Calculation Methodology = <u>Cash + Cash Equivalents + Current Receivables</u> Current Liabilities



Detail Line Item Calculation =
$$\frac{(111+114+115+120+131+135+142)}{(310-347)}$$

Translating the Component Value into Scores: Under the Current Ratio (CR) component, the PHA is evaluated and assigned a score based on its financial performance on an entity-wide basis relative to its peers. In other words, all PHAs as a group determine the mean score and each PHA is then ranked accordingly. Scoring thresholds were previously developed to make the peer grouping assessment possible. The thresholds were calculated by examining the distribution of component values by peer groups. Peer groupings are established according to the size of the PHA based on the total number of units operated by the PHA for all programs and activities. The current size peer groupings are as follows:

Size Category	Unit Count
Extra Large	$10,000 \leq \text{count}$
Large	$1,250 \le \text{count} \le 9,999$
High Medium	$500 \leq \text{count} \leq 1,249$
Low Medium	$250 \leq \text{count} \leq 499$
Small	$50 \leq \text{count} \leq 249$
Very Small	$1 \leq \text{count} \leq 49$

The following tables contain the CR component values and the corresponding score calculations derived from the thresholds. As indicated on the tables, an Extra Large size PHA with a CR of 1.73 will receive 9 points. If this Extra Large PHA has a component value of 2.4, the PHA will receive a score of 8.63 points (the formula is 9 - [((Component value -2.3)/(2.7-2.3)) * (9 - 7.5)]. If this Extra Large PHA has a component value of 1.2, the PHA will receive a score of 7.70 points (the formula is 6.4 - [((Component value -1)/(1.4 - 1)) * (6.4 - 9)]. If this Extra Large PHA has a component value of .94, the PHA will receive zero points. (The formulas represent the equation equivalent to the scoring model published in the scoring notices.)

	Current Ratio (CR)					
Very Small	Formula	Score	Small	Formula	Score	
CR < 1	N/A	0	CR < 1	N/A	0	
CR=1	N/A	1.8	CR=1	N/A	3.2	
1 <cr<4.9< td=""><td>1.8-[((CR-1)/(4.9-1))*(1.8-9)]</td><td>1.8<score<9< td=""><td>1<cr<2.8< td=""><td>3.2-[((CR-1)/(2.8-1))*(3.2-9)]</td><td>3.2<score<9< td=""></score<9<></td></cr<2.8<></td></score<9<></td></cr<4.9<>	1.8-[((CR-1)/(4.9-1))*(1.8-9)]	1.8 <score<9< td=""><td>1<cr<2.8< td=""><td>3.2-[((CR-1)/(2.8-1))*(3.2-9)]</td><td>3.2<score<9< td=""></score<9<></td></cr<2.8<></td></score<9<>	1 <cr<2.8< td=""><td>3.2-[((CR-1)/(2.8-1))*(3.2-9)]</td><td>3.2<score<9< td=""></score<9<></td></cr<2.8<>	3.2-[((CR-1)/(2.8-1))*(3.2-9)]	3.2 <score<9< td=""></score<9<>	
4.9 <u><</u> CR<14.0	N/A	9	2.8 <u><</u> CR<8.0	N/A	9	
14.0 <cr<24< td=""><td>9-[((CR-14.0)/(24-14.0))*(9-7.5)]</td><td>9>Score>7.5</td><td>8.0<cr<14.9< td=""><td>9-[((CR-8.0)/(14.9-8.0))*(9-7.5)]</td><td>9>Score>7.5</td></cr<14.9<></td></cr<24<>	9-[((CR-14.0)/(24-14.0))*(9-7.5)]	9>Score>7.5	8.0 <cr<14.9< td=""><td>9-[((CR-8.0)/(14.9-8.0))*(9-7.5)]</td><td>9>Score>7.5</td></cr<14.9<>	9-[((CR-8.0)/(14.9-8.0))*(9-7.5)]	9>Score>7.5	
CR≥24	N/A	7.5	CR <u>></u> 14.9	N/A	7.5	

	Current Ratio (CR)					
Low Medium	Formula	Score	High	Formula	Score	
			Medium			
CR < 1	N/A	0	CR < 1	N/A	0	
CR=1	N/A	3.6	CR=1	N/A	4.4	
1 <cr<2.5< td=""><td>3.6-[((CR-1)/(2.5-1))*(3.6-9)]</td><td>3.6<score<9< td=""><td>1<cr<2.1< td=""><td>4.4-[((CR-1)/(2.1-1))*(4.4-9)]</td><td>4.4<score<9< td=""></score<9<></td></cr<2.1<></td></score<9<></td></cr<2.5<>	3.6-[((CR-1)/(2.5-1))*(3.6-9)]	3.6 <score<9< td=""><td>1<cr<2.1< td=""><td>4.4-[((CR-1)/(2.1-1))*(4.4-9)]</td><td>4.4<score<9< td=""></score<9<></td></cr<2.1<></td></score<9<>	1 <cr<2.1< td=""><td>4.4-[((CR-1)/(2.1-1))*(4.4-9)]</td><td>4.4<score<9< td=""></score<9<></td></cr<2.1<>	4.4-[((CR-1)/(2.1-1))*(4.4-9)]	4.4 <score<9< td=""></score<9<>	
2.5≤CR<5.9	N/A	9	2.1 <u><</u> CR<4.9	N/A	9	
5.9 <cr<10.3< td=""><td>9-[((CR-5.9)/(10.3-5.9))*(9-7.5)]</td><td>9>Score>7.5</td><td>4.9<cr<7.8< td=""><td>9-[((CR-4.9)/(7.8-4.9))*(9-7.5)]</td><td>9>Score>7.5</td></cr<7.8<></td></cr<10.3<>	9-[((CR-5.9)/(10.3-5.9))*(9-7.5)]	9>Score>7.5	4.9 <cr<7.8< td=""><td>9-[((CR-4.9)/(7.8-4.9))*(9-7.5)]</td><td>9>Score>7.5</td></cr<7.8<>	9-[((CR-4.9)/(7.8-4.9))*(9-7.5)]	9>Score>7.5	
CR≥10.3	N/A	7.5	CR≥7.8	N/A	7.5	



Current Ratio (CR)					
Large	Formula	Score	Extra Large	Formula	Score
CR < 1	N/A	0	CR < 1	N/A	0
CR=1	N/A	4.9	CR=1	N/A	6.4
1 <cr<1.8< td=""><td>4.9-[((CR-1)/(1.8-1))*(4.9-9)]</td><td>4.9<score<9< td=""><td>1<cr<1.4< td=""><td>6.4-[((CR-1)/(1.4-1))*(6.4-9)]</td><td>6.4<score<9< td=""></score<9<></td></cr<1.4<></td></score<9<></td></cr<1.8<>	4.9-[((CR-1)/(1.8-1))*(4.9-9)]	4.9 <score<9< td=""><td>1<cr<1.4< td=""><td>6.4-[((CR-1)/(1.4-1))*(6.4-9)]</td><td>6.4<score<9< td=""></score<9<></td></cr<1.4<></td></score<9<>	1 <cr<1.4< td=""><td>6.4-[((CR-1)/(1.4-1))*(6.4-9)]</td><td>6.4<score<9< td=""></score<9<></td></cr<1.4<>	6.4-[((CR-1)/(1.4-1))*(6.4-9)]	6.4 <score<9< td=""></score<9<>
1.8 <u><</u> CR<3.9	N/A	9	1.4 <u><</u> CR<2.3	N/A	9
3.9 <cr<6.9< td=""><td>9-[((CR-3.9)/(6.9-3.9))*(9-7.5)]</td><td>9>Score>7.5</td><td>2.3<cr<2.7< td=""><td>9-[((CR-2.3)/(2.7-2.3))*(9-7.5)]</td><td>9>Score>7.5</td></cr<2.7<></td></cr<6.9<>	9-[((CR-3.9)/(6.9-3.9))*(9-7.5)]	9>Score>7.5	2.3 <cr<2.7< td=""><td>9-[((CR-2.3)/(2.7-2.3))*(9-7.5)]</td><td>9>Score>7.5</td></cr<2.7<>	9-[((CR-2.3)/(2.7-2.3))*(9-7.5)]	9>Score>7.5
CR≥6.9	N/A	7.5	CR≥2.7	N/A	7.5

A PHA with a Current Ratio value of less than one will receive zero points for this component. For a current ratio of 1 or greater, a PHA will receive points that are determined by the distribution of data by size category.

Quick References: FDS Line Item Description for Current Ratio Component

Line	Numerator - Available Current Resources		
111	Cash -unrestricted		
114	Cash - tenant security deposits		
115	Cash - restricted for payment of current liability		
120	Total receivables, net of allowances for doubtful		
	accounts		
131	Investments - unrestricted		
135	Investments - restricted for payment of current liability		
142	Prepaid expenses and other assets		

Line	Denominator - Current Obligations
310	Total current liabilities
347	Interprogram due to

2) Months Expendable Fund Balance

Area of Measurement: This is a viability measure of the PHA's ability to operate using primarily its net available, unrestricted resources without reliance on additional funding.

This component compares the net available unrestricted resources to the average monthly operating expenses. The result of this calculation shows how many months of operating expenses and the repayment of operating debt principal can be covered with currently available, unrestricted resources.

Net available, unrestricted resources, also defined as Expendable Fund Balance (EFB), includes all current resources available to the PHA after subtracting the amount needed by the PHA to pay current obligations and the long-term portion of operating debt. A PHA with a MEFB value of less than one will receive zero points and will be considered financially unacceptable.

If the MEFB value is equal to or greater than one, the PHA is evaluated and assigned a score up to a maximum of 9 points based on its financial performance relative to its peers. As with the Current Ratio, PHAs with MEFB ratio values outside the upper threshold boundary will be considered to have too high

liquidity or excess reserves and will receive incrementally fewer points up to a maximum deduction of up to 1.5 points.

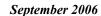
Calculation: The calculation methodology and the detail FDS line items included in the calculation are as follows:

Translating the Component Value into Scores: Under the MEFB component, the PHA is also evaluated and assigned a score based on its financial performance relative to its peers, hence the scoring thresholds are calculated by examining the distributions of component values by peer groups. The current size peer groupings are listed in Section VI. 1. Current Ratio Component.

The tables below contain the component values and the corresponding score calculations derived from the thresholds. For example, a Large size PHA with a MEFB of 6 will receive 9 points. If this Large PHA has a component value of 15.85, the PHA will receive a score of 7.98 points (the formula is 9 - $[((Indicator\ value - 10.3)/(18.5-10.3))*(9-7.5)]$. If this Large PHA has a component value of 3.2, the PHA will receive a score of 7.19 points (the formula is 2.2 - $[((Indicator\ value - 1)/(4-1))*(2.2-9)]$. If this Large PHA has a component value of .89, the PHA will receive zero points. (The formulas represent the equation equivalent to the scoring model published in the scoring notices.)

Months Expendable Fund Balance (MEFB)						
Very Small	Formula	Score	Small	Formula	Score	
MEFB < 1	N/A	0	MEFB < 1	N/A	0	
MEFB =1	N/A	1.5	MEFB=1	N/A	1.9	
1 <mefb<6.0< td=""><td>1.5-[((MEFB-1)/(6.0-1))*(1.5-9)]</td><td>1.5<score<9< td=""><td>1<mefb<4.6< td=""><td>1.9-[((MEFB-1)/(4.6-1))*(1.9-9)]</td><td>1.9<score<9< td=""></score<9<></td></mefb<4.6<></td></score<9<></td></mefb<6.0<>	1.5-[((MEFB-1)/(6.0-1))*(1.5-9)]	1.5 <score<9< td=""><td>1<mefb<4.6< td=""><td>1.9-[((MEFB-1)/(4.6-1))*(1.9-9)]</td><td>1.9<score<9< td=""></score<9<></td></mefb<4.6<></td></score<9<>	1 <mefb<4.6< td=""><td>1.9-[((MEFB-1)/(4.6-1))*(1.9-9)]</td><td>1.9<score<9< td=""></score<9<></td></mefb<4.6<>	1.9-[((MEFB-1)/(4.6-1))*(1.9-9)]	1.9 <score<9< td=""></score<9<>	
6.0 <u><</u> MEFB<16.3	N/A	9	4.6 <u><</u> MEFB<12.0	N/A	9	
16.3 <mefb<28.8< td=""><td>9-[((MEFB-16.3)/(28.8-16.3))*(9-7.5)]</td><td>9>Score>7.5</td><td>12.0<mefb<18.4< td=""><td>9-[((MEFB-12.0)/(18.4-12.0))*(9-7.5)]</td><td>9>Score>7.5</td></mefb<18.4<></td></mefb<28.8<>	9-[((MEFB-16.3)/(28.8-16.3))*(9-7.5)]	9>Score>7.5	12.0 <mefb<18.4< td=""><td>9-[((MEFB-12.0)/(18.4-12.0))*(9-7.5)]</td><td>9>Score>7.5</td></mefb<18.4<>	9-[((MEFB-12.0)/(18.4-12.0))*(9-7.5)]	9>Score>7.5	
MEFB≥28.8	N/A	7.5	MEFB>18.4	N/A	7.5	

Months Expendable Fund Balance (MEFB)						
Low Medium	Formula	Score	High Medium	Formula	Score	
MEFB < 1	N/A	0	MEFB < 1	N/A	0	
MEFB=1	N/A	1.8	MEFB=1	N/A	1.9	
1 <mefb<4.9< td=""><td>1.8-[((MEFB-1)/(4.9-1))*(1.8-9)]</td><td>1.8<score<9< td=""><td>1<mefb<4.7< td=""><td>1.9-[((MEFB-1)/(4.7-1))*(1.9-9)]</td><td>1.9<score<9< td=""></score<9<></td></mefb<4.7<></td></score<9<></td></mefb<4.9<>	1.8-[((MEFB-1)/(4.9-1))*(1.8-9)]	1.8 <score<9< td=""><td>1<mefb<4.7< td=""><td>1.9-[((MEFB-1)/(4.7-1))*(1.9-9)]</td><td>1.9<score<9< td=""></score<9<></td></mefb<4.7<></td></score<9<>	1 <mefb<4.7< td=""><td>1.9-[((MEFB-1)/(4.7-1))*(1.9-9)]</td><td>1.9<score<9< td=""></score<9<></td></mefb<4.7<>	1.9-[((MEFB-1)/(4.7-1))*(1.9-9)]	1.9 <score<9< td=""></score<9<>	
4.9 <u><</u> MEFB<11.5	N/A	9	4.7 <u><</u> MEFB<12.6	N/A	9	
11.5 <mefb<21.4< td=""><td>9-[((MEFB-11.5)/(21.4-11.5))*(9-7.5)]</td><td>9>Score>7.5</td><td>12.6<mefb<21.2< td=""><td>9-[((MEFB-12.6)/(21.2-12.6))*(9-7.5)]</td><td>9>Score>7.5</td></mefb<21.2<></td></mefb<21.4<>	9-[((MEFB-11.5)/(21.4-11.5))*(9-7.5)]	9>Score>7.5	12.6 <mefb<21.2< td=""><td>9-[((MEFB-12.6)/(21.2-12.6))*(9-7.5)]</td><td>9>Score>7.5</td></mefb<21.2<>	9-[((MEFB-12.6)/(21.2-12.6))*(9-7.5)]	9>Score>7.5	
MEFB <u>></u> 21.4	N/A	7.5	MEFB <u>></u> 21.2	N/A	7.5	





Months Expendable Fund Balance (MEFB)						
Large	Formula	Score	Extra Large	Formula	Score	
MEFB < 1	N/A	0	MEFB < 1	N/A	0	
MEFB=1	N/A	2.2	MEFB=1	N/A	4.8	
1 <mefb<4.0< td=""><td>2.2-[((MEFB-1)/(4.0-1))*(2.2-9)]</td><td>2.2<score<9< td=""><td>1<mefb<1.9< td=""><td>4.8-[((MEFB-1)/(1.9-1))*(4.8-9)]</td><td>4.8<score<9< td=""></score<9<></td></mefb<1.9<></td></score<9<></td></mefb<4.0<>	2.2-[((MEFB-1)/(4.0-1))*(2.2-9)]	2.2 <score<9< td=""><td>1<mefb<1.9< td=""><td>4.8-[((MEFB-1)/(1.9-1))*(4.8-9)]</td><td>4.8<score<9< td=""></score<9<></td></mefb<1.9<></td></score<9<>	1 <mefb<1.9< td=""><td>4.8-[((MEFB-1)/(1.9-1))*(4.8-9)]</td><td>4.8<score<9< td=""></score<9<></td></mefb<1.9<>	4.8-[((MEFB-1)/(1.9-1))*(4.8-9)]	4.8 <score<9< td=""></score<9<>	
4.0 <u><</u> MEFB<10.3	N/A	9	1.9 <u><</u> MEFB<7.8	N/A	9	
10.3 <mefb<18.5< td=""><td>9-[((MEFB-10.3)/(18.5-10.3))*(9-7.5)]</td><td>9>Score>7.5</td><td>7.8<mefb<9.8< td=""><td>9-[((MEFB-7.8)/(9.8-7.8))*(9-7.5)]</td><td>9>Score>7.5</td></mefb<9.8<></td></mefb<18.5<>	9-[((MEFB-10.3)/(18.5-10.3))*(9-7.5)]	9>Score>7.5	7.8 <mefb<9.8< td=""><td>9-[((MEFB-7.8)/(9.8-7.8))*(9-7.5)]</td><td>9>Score>7.5</td></mefb<9.8<>	9-[((MEFB-7.8)/(9.8-7.8))*(9-7.5)]	9>Score>7.5	
MEFB>18.5	N/A	7.5	MEFB <u>></u> 9.8	N/A	7.5	

A PHA with a Months Expendable Fund Balance value of less than one will receive zero points for this component. For a Months Expendable Fund Balance ratio of 1 or greater, a PHA will receive points that are determined by the distribution of data by size category.

Quick References: FDS Line Item Description for Months Expendable Fund Balance Component

Line	Numerator - Available Current Resources
111	Cash - unrestricted
114	Cash - tenant security deposits
115	Cash - restricted for payment of current liability
120	Total receivables, net of allowances for doubtful accounts
131	Investments - unrestricted
135	Investments - restricted for payment of current liability
142	Prepaid expenses and other assets
310	Total current liabilities
343	Current portion of long-term debt - capital projects
347	Interprogram due to
352	Long-term debt, net of current - operating borrowings

Line	Denominator - Total Operating and Other Expenses
969	Total operating expenses
971	Extraordinary maintenance
972	Casualty losses - non-capitalized
978	Dwelling units rent expense

3) Tenant Receivable Outstanding

Area of Measurement: Tenant receivable outstanding measures rent collectibility. The purpose of this indicator is to calculate the average number of days it takes a PHA to collect its tenant accounts receivable.

This indicator divides the gross tenant accounts receivable, including receivables for rent, maintenance charges, excess utility charges and other adjustments, by the average daily rental income. The average daily rental income is the revenue shown on the rent roll plus revenue for excess utilities and other tenant charges, divided by the number of days in the reporting period. The allowance for doubtful accounts is excluded from the gross tenant accounts receivable calculation. The maximum point value for this component is **4.5** points.



Calculation: The calculation methodology and the detail FDS line items included in the calculation are as follows:

Calculation Methodology = Tenant Accounts Receivables
Average Daily Rental Income

Detail Line Item Calculation = 126
705/reporting period - days

Translating the Component Value into Scores: Under the TRO component, the PHA is also evaluated and assigned a score based on its financial performance relative to its peers, hence the scoring thresholds are estimated by examining the distributions of component values by peer groups. The current size and peer groupings are listed in Section VI. 1. Current Ratio Component.

The tables below contain the component values and the corresponding score calculations derived from the thresholds. For example, an Extra Large size PHA with a TRO of 11 will receive 4.5 points. If this Extra Large PHA has a component value of 19.85, the PHA will receive a score of 4.05 points (the formula is $4.5 - [((Component \ value - 13)/(81-13)) * (4.5 - 0)]$. If this Extra Large PHA has a component value of 85, the PHA will receive zero points. (The formula represents the equation equivalent to the scoring model published in the scoring notices.)

Tenants Receivable Outstanding (TRO)						
Very Small	Formula	Score	Small	Formula	Score	
TRO <u>≤</u> 1	N/A	4.5	TRO <u>≤</u> 2	N/A	4.5	
1 <tro<37< td=""><td>4.5-[((TRO-1)/(37.0-1))*(4.5-0)]</td><td>4.5>Score>0</td><td>2<tro<26< td=""><td>4.5-[((TRO-2)/(26.0-2))*(4.5-0)]</td><td>4.5>Score>0</td></tro<26<></td></tro<37<>	4.5-[((TRO-1)/(37.0-1))*(4.5-0)]	4.5>Score>0	2 <tro<26< td=""><td>4.5-[((TRO-2)/(26.0-2))*(4.5-0)]</td><td>4.5>Score>0</td></tro<26<>	4.5-[((TRO-2)/(26.0-2))*(4.5-0)]	4.5>Score>0	
TRO ≥ 37	N/A	0	<u>TRO>26</u>	N/A	0	

	Tenants Receivable Outstanding (TRO)						
Low Medium Formula Score High Medium Formula Score					Score		
TRO <u>≤</u> 4	N/A	4.5	TRO ≤ 5	N/A	4.5		
4 <tro<31< td=""><td>4.5-[((TRO-4)/(31.0-4))*(4.5-0)]</td><td>4.5>Score>0</td><td>5<tro<29< td=""><td>4.5-[((TRO-5)/(29.0-5))*(4.5-0)]</td><td>4.5>Score>0</td></tro<29<></td></tro<31<>	4.5-[((TRO-4)/(31.0-4))*(4.5-0)]	4.5>Score>0	5 <tro<29< td=""><td>4.5-[((TRO-5)/(29.0-5))*(4.5-0)]</td><td>4.5>Score>0</td></tro<29<>	4.5-[((TRO-5)/(29.0-5))*(4.5-0)]	4.5>Score>0		
<u>TRO>31</u>	N/A	0	TRO ≥ 29	N/A	0		

	Tenants Receivable Outstanding (TRO)						
Large	Formula	Score	Extra Large	Formula	Score		
TRO <u>≤</u> 7	N/A	4.5	TRO ≤ 13	N/A	4.5		
7 <tro<33< td=""><td>4.5-[((TRO-7)/(33.0-7))*(4.5-0)]</td><td>4.5>Score>0</td><td>13<tro<81< td=""><td>4.5-[((TRO-13)/(81.0-13))*(4.5-0)]</td><td>4.5>Score>0</td></tro<81<></td></tro<33<>	4.5-[((TRO-7)/(33.0-7))*(4.5-0)]	4.5>Score>0	13 <tro<81< td=""><td>4.5-[((TRO-13)/(81.0-13))*(4.5-0)]</td><td>4.5>Score>0</td></tro<81<>	4.5-[((TRO-13)/(81.0-13))*(4.5-0)]	4.5>Score>0		
TRO>33	N/A	0	TRO>81	N/A	0		

Quick References: FDS Line Item Description for Tenant Receivables Outstanding Component



Line	Numerator - Total Tenant Accounts Receivable
126	Accounts receivable - tenants - dwelling units

Line	Denominator - Total Daily Tenant Revenue
705	Total tenant revenue

4) Occupancy Loss

Area of Measurement: Occupancy Loss (OL) measures the maximization of rental revenue. It measures the extent to which the PHA is not realizing potential rental income due to unoccupied units or units taken off-line under the low rent program, or other state and local programs.

This component compares unit months available to the unit months leased. The unit months available is the total number of units managed by a PHA under all programs (HUD, state, or other funds) multiplied by 12, with the exception of unit months vacant due to:

- Demolition,
- Conversion,
- On-going modernization, and
- Units approved for non-dwelling purposes.

The unit months leased is the actual number of months each unit was rented during the fiscal year as calculated from the PHA's tenant rent rolls or Housing Assistance Payments records.

The ability of management to keep units in service and occupied can be estimated based on this calculation. If the occupancy loss ratio is high, and operating expenses per unit are low, the PHA may not be managing or maintaining the housing units in a manner that encourages or optimizes occupancy. The maximum point value for this component is **4.5** points.

Calculation: The calculation methodology and the detail FDS line items included in the calculation are as follows:

Detail Line Item Calculation =
$$(1 - \frac{1121}{1120})*100$$

Translating the Component Value into Scores: Under the OL component, the PHA is also evaluated and assigned a score based on its financial performance relative to its peers, hence the scoring thresholds are estimated by examining the distributions of component values by peer groups. The current size and peer groupings are listed in Section VI. 1. Current Ratio Component.

The tables below contain the component values and the corresponding score calculations derived from the thresholds. For example, a Large size PHA with an OL of 5% will receive 4.5 points. If this Large PHA has a component value of 7.18%, the PHA will receive a score of 4.12 points (the formula is 4.5 - $[((Component \ value - 6)/(20-6)) * (4.5 - 0)]$. If this Large PHA has a component value of 22%, the PHA

will receive zero points. (The formula represents the equation equivalent to the scoring model published in the scoring notices.)

	Occupancy Loss (OL)						
Very Small Formula Score Small Formula Score					Score		
OL ≤ 1%	N/A	4.5	OL ≤ 3%	N/A	4.5		
1 <ol<18%< th=""><th>4.5-[((OL-1)/(18-1))*(4.5-0)]</th><th>4.5>Score>0</th><th>3%<ol<21%< th=""><th>4.5-[((OL-3)/(21-3))*(4.5-0)]</th><th>4.5>Score>0</th></ol<21%<></th></ol<18%<>	4.5-[((OL-1)/(18-1))*(4.5-0)]	4.5>Score>0	3% <ol<21%< th=""><th>4.5-[((OL-3)/(21-3))*(4.5-0)]</th><th>4.5>Score>0</th></ol<21%<>	4.5-[((OL-3)/(21-3))*(4.5-0)]	4.5>Score>0		
OL ≥ 18%	N/A	0	OL>21%	N/A	0		

Occupancy Loss (OL)						
Low	Low Formula Score High Formula Score					
Medium			Medium			
OL ≤ 5%	N/A	4.5	OL ≤ 5%	N/A	4.5	
5% <ol<21%< td=""><td>4.5-[((OL-5)/(21-5))*(4.5-0)]</td><td>4.5>Score>0</td><td>5%<ol<21%< td=""><td>4.5-[((OL-5)/(21-5))*(4.5-0)]</td><td>4.5>Score>0</td></ol<21%<></td></ol<21%<>	4.5-[((OL-5)/(21-5))*(4.5-0)]	4.5>Score>0	5% <ol<21%< td=""><td>4.5-[((OL-5)/(21-5))*(4.5-0)]</td><td>4.5>Score>0</td></ol<21%<>	4.5-[((OL-5)/(21-5))*(4.5-0)]	4.5>Score>0	
OL>21%	N/A	0	$OL \ge 21\%$	N/A	0	

	Occupancy Loss (OL)						
Large	Formula	Score	Extra Large	Formula	Score		
OL ≤ 6%	N/A	4.5	OL ≤ 7%	N/A	4.5		
6% <ol<20%< td=""><td>4.5-[((OL-6)/(20-6))*(4.5-0)]</td><td>4.5>Score>0</td><td>7%<ol<22%< td=""><td>4.5-[((OL-7)/(22-7))*(4.5-0)]</td><td>4.5>Score>0</td></ol<22%<></td></ol<20%<>	4.5-[((OL-6)/(20-6))*(4.5-0)]	4.5>Score>0	7% <ol<22%< td=""><td>4.5-[((OL-7)/(22-7))*(4.5-0)]</td><td>4.5>Score>0</td></ol<22%<>	4.5-[((OL-7)/(22-7))*(4.5-0)]	4.5>Score>0		
OL>20%	N/A	0	OL>22%	N/A	0		

Quick References: FDS Line Item Description for Occupancy Loss Component

Line	Numerator - Unit Months Leased
1121	Number of unit months leased

Line	Denominator - Unit Months Available
1120	Unit months available

5) Expense Management/Utility Consumption

Area of Measurement: Expense Management/Utility Consumption measures the PHA's ability to manage key areas of its annual expenditures at a level relative to its peers, adjusted for size and geographic location. This component compares summary expenditures to unit months leased for the fiscal year for the Low-Rent Public Housing Program only (CFDA #14.850a). Total routine expenses measured include the following six expense categories: administrative, tenant services, utilities, ordinary maintenance and operation, protective services, and general expenses. This component enables PHA management to determine if the per unit cost is reasonable or if unnecessary operating expenditures should be reduced and/or further analyzed. The maximum point value for this component is 1.5 points.

Calculation: The calculation methodology and the detail FDS line items included in the calculation are as follows:



Calculation Methodology = Sum of Weighted Expenses (Low Rent Only)
Unit Months Leased (Low Rent Only)

```
Detail Line Item Calculation = (.34 * [911+912+913+914+915+916] + .10 * [921+922+923+924] + .03 * [931+932+933+934+935+937+938] + .10 * [941+942+943+945+971] + .10 * [951+952+953+955] + .33 * [961+962+963+964+965+966+967+968+975+978]) / 1121
```

Translating the Component Value into Scores: Under the Expense Management/Utility Consumption component, the PHA is evaluated and assigned a score based on its financial performance relative to its peers adjusted for size and geographic location (region) the PHA resides in. The current size peer groupings are listed in Section VI. 1. Current Ratio Component. The regional peer groupings are based on the first number of the PHA's zip code, and are divided as follows:

Region	State
0	CT, MA, ME, NH, NJ, RI, VT
1	DE, NY, PA
2	DC, MD, NC, SC, VA, WV
3	AL, FL, GA, MS, TN, RQ, VQ
4	IN, KY, MI, OH
5	IA, MN, MT, ND, SD, WI
6	IL, KS, MO, NE
7	AR, LA, OK, TX
8	AZ, CO, ID, NM, NV, UT, WY
9	AK, CA, HI, OR, WA, GQ

There are six expense categories that comprise the Expense Management/Utility Consumption component. A PHA's per unit, per month expense amount in each category is multiplied by the weights listed below, and summed to produce a weighted average. This summed number is compared to the threshold for that PHA's size and regional peer group. If the PHA's weighted average expense amount falls below the threshold, it receives 1.5 points, otherwise the PHA receives zero points. The weights for the categories are as follows:



Expenses	Percent Weight
Administrative Expense	34%
General Expense	33%
Tenant Service Expense	10%
Protective Service Expense	10%
Maintenance Expense	10%
Utilities Expense	3%
Total	100%

The thresholds based on PHAs' size and regional peer grouping are as follows:

Region	xtra arge	La	arge	High	Med.	Lov	v Med.	S	mall	Very	Small
0	\$ 128.15	\$	128.15	\$	108.52	\$	108.52	\$	112.39	\$	112.39
1	\$ 112.87	\$	112.87	\$	107.69	\$	107.69	\$	114.12	\$	114.12
2	\$ 117.07	\$	117.07	\$	118.23	\$	118.23	\$	94.59	\$	94.59
3	\$ 101.71	\$	101.71	\$	86.68	\$	86.68	\$	89.22	\$	89.22
4	\$ 103.73	\$	103.73	\$	97.55	\$	97.55	\$	91.51	\$	91.51
5	\$ 110.68	\$	110.68	\$	95.36	\$	95.36	\$	86.66	\$	86.66
6	\$ 122.17	\$	122.17	\$	82.36	\$	82.36	\$	79.96	\$	79.96
7	\$ 86.02	\$	86.02	\$	71.81	\$	71.81	\$	99.87	\$	99.87
8	\$ 97.86	\$	97.86	\$	133.50	\$	133.50	\$	111.02	\$	111.02
9	\$ 136.55	\$	136.55	\$	109.90	\$	109.90	\$	120.96	\$	120.96

The table below is an example of the Expense Management component value and score calculation. The following PHA is in the Extra Large size category geographically located in region 0 and has the following expense per unit by the six expense categories:

Expense	Amount	Weighted Ave	erage
Administrative Expense	\$115	.34 * \$115 =	\$39.10
General Expense	\$105	.33 * \$105 =	\$34.65
Tenant Services	\$15	.10 * \$15 =	\$1.50
Protective Service Expense	\$20	.10 * \$20 =	\$2.00
Maintenance Expense	\$45	.10 * \$45 =	\$4.50
Utilities Expense	\$150	.03 * \$150 =	\$4.50
TOTAL Weighted Average Expense			\$86.25

The threshold for an Extra Large PHA in Region 0 is \$128.15. Because the PHA has a weighted average expense total of \$86.25 per unit, that is less than the applicable threshold, the PHA receives the full 1.5 points.

Quick References: FDS Line Item Description for Expense Management Component

Administrative Expense (34 percent of total)

1 Xuiiiiiii	tummstrative Expense (54 percent of total)			
Line	Numerator - Administrative			
911	Administrative salaries			
912	Auditing fees			



Line	Numerator - Administrative
913	Outside management fees
914	Compensated absences
915	Employee benefit contributions - administrative
916	Other operating - administrative

Tenant Services Expense (10 percent of total)

Line	Numerator - Tenant Services
921	Tenant services - salaries
922	Relocation costs
923	Employee benefit contributions - tenant services
924	Tenant services – other

Utilities Expense (03 percent of total)

Line	Numerator – Utilities
931	Water
932	Electricity
933	Gas
934	Fuel
935	Labor
937	Employee benefit contributions - utilities
938	Other utilities expense

Ordinary Maintenance Expense (10 percent of total)

Line	Numerator - Ordinary Maintenance
941	Ordinary maintenance and operations - labor
942	Ordinary maintenance and operations - materials & other
943	Ordinary maintenance and operations - contract costs
945	Employee benefit contributions - ordinary maintenance
971	Extraordinary maintenance

Protective Services Expense (10 percent of total)

Line	Numerator - Protective Services
951	Protective services - labor
952	Protective services - other contract costs
953	Protective services - other
955	Employee benefit contributions - protective services

General Expenses (33 percent of total)

Line	Numerator – General Expenses
961	Insurance premiums
962	Other general expenses
963	Payments in lieu of taxes
964	Bad debt - tenant rents
965	Bad debt - mortgages
966	Bad debt - other
967	Interest expense
968	Severance expense
975	Fraud losses

Line	Numerator – General Expenses
978	Dwelling units rent expense

Line	Denominator - Total Units Month Leased
1121	Number of Unit Months Leased

6) Net Income or Loss

Area of Measurement: Net income (loss) measures how the results of the year's current operations have affected the PHA's viability.

This component compares the PHA's adjusted net income (loss) to the net available (unrestricted) current resources (the EFB). It indicates whether the PHA is adequately managing its income and expenses to maintain a balanced budget. A PHA which has excessive net losses will be unable to sustain operations if income is not maximized and expenses are not more efficiently and effectively controlled. The maximum point value for this component is 1.5 points.

Calculation: The calculation methodology and the detail FDS line items included in the calculation are as follows:

Calculation Methodology = Net Income or Loss
Expendable Fund Balance

For the Net Income component, a PHA can receive either 1.5 or zero points. A PHA that has a net income for the year receives the full score. If a PHA reports a net loss for the year that does not exceed 20% of its expendable fund balance, the PHA will also receive the full score. This 20% threshold does not vary by region or size. The scoring methodology of the Net Income component is as follows:



	Negative Reserves (Negative Denominator)	Positive Reserves (Positive Denominator)
Net Income (Positive	I.	II.
Numerator)	Score = 1.5 Points	Score = 1.5 Points
Net Loss (Negative Numerator)	III. Score = 0.0 Points	IV. Net Loss/Reserve $> 20\% = 0.0$ Points Net Loss/Reserve $\le 20\% = 1.5$ Points

Quick References: FDS Line Item Description for Net Income Component

Line	Numerator - Adjusted Net Income (Loss)
970	Excess operating revenue over operating expenses
706.1	Capital grants
971	Extraordinary maintenance
972	Casualty losses - non-capitalized
973	Housing assistance payments
975	Fraud losses
978	Dwelling units rent expense

Line	Denominator - Available Current Resources
111	Cash -unrestricted
114	Cash - tenant security deposits
115	Cash - restricted for payment of current liability
120	Total receivables, net of allowances for doubtful accounts
131	Investments – unrestricted
135	Investments - restricted for payment of current liability
142	Prepaid expenses and other assets
310	Total current liabilities
343	Current portion of long-term debt - capital projects
347	Interprogram due to
352	Long-term debt, net of current - operating borrowings



VII. SUMMARY FASS COMPONENT FORMULA AND CALCULATIONS

1) Current Ratio Component Calculation:

Calculation Methodology = Cash + Cash Equivalents + Current Receivables
Current Liabilities

Detail Line Item Calculation = $\frac{(111+114+115+120+131+135+142)}{(310-347)}$

2) Months Expendable Fund Balance Component Calculation:

Calculation Methodology = Expendable Fund Balance
Average Monthly Operating and Other Expenses

Detail Line Item Calculation = $\frac{(111+114+115+120+131+135+142)-(310-343-347)-352}{(969+971+972+978)/reporting period-months}$

3) Tenant Receivable Outstanding Component Calculation:

Calculation Methodology = Tenant Accounts Receivables
Average Daily Rental Income

Detail Line Item Calculation = 126
705/reporting period-days

4) Occupancy Loss Component Calculation:

Calculation Methodology = 1 - <u>Unit Months Leased</u> Unit Months Available

Detail Line Item Calculation = $(1 - \frac{1121}{1120})*100$

5) Expense Management/Utility Consumption Component Calculation:

Calculation Methodology = Sum of Weighted Expenses (Low Rent Only)

Unit Months Leased (Low Rent Only)

Detail Line Item Calculation = (.34*[911+912+913+914+915+916] +

.10*[921+922+923+924] + .03*[931+932+933+934+935+937+938] +

.10*[941+942+943+945+971] + .10*[951+952+953+955] +

.33*[961+962+963+964+965+966+967+968+975+978])/1121

6.) Net Income Component Calculation:

Calculation Methodology = Net Income or Loss
Expendable Fund Balance